

# Proficient

1.  $\frac{4}{7} \times \frac{3}{5}$ .

2.  $\frac{5}{8} \times \frac{4}{9}$ .

3.  $\frac{7}{10} \times \frac{5}{6}$ .

4.  $\frac{9}{11} \times \frac{2}{3}$ .

5.  $6 \times \frac{5}{12}$ .

6.  $8 \times \frac{3}{16}$ .

7.  $\frac{3}{4} \times \frac{8}{9}$ .

8.  $\frac{5}{6} \times \frac{9}{10}$ .

9.  $\frac{7}{12} \times \frac{6}{7}$ .

10.  $\frac{11}{15} \times \frac{5}{22}$ .

11. Fill in the blank:  $\frac{2}{3} \times \frac{\square}{5} = \frac{8}{15}$ .

12. Fill in the blank:  $\frac{\square}{4} \times \frac{2}{3} = \frac{1}{2}$ .

**13.** Is  $\frac{2}{5} \times \frac{3}{4} = \frac{6}{20}$  correct?

**14.** Is  $3 \times \frac{2}{9} = \frac{6}{9}$  correct?

**15.** Which is greater:  $\frac{2}{3} \times \frac{3}{5}$   
or  $\frac{3}{4} \times \frac{2}{5}$ ?

**16.**  $\frac{4}{15} \times \frac{5}{8}$ .

**17.**  $\frac{13}{14} \times \frac{7}{13}$ .

**18.** Explain in one short sentence why multiplying by  $\frac{1}{2}$  makes a positive number smaller.